



Practitioner's Docket No. MPI00-212CP1CN1RCEM

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Coyle, Anthony J. et al.		
Application No.:	10/644,671	Group No.:	1644
Filed:	August 20, 2003	Examiner:	Ouspenski, Ilia I.
For:	SCREENING METHODS USING B7-H2 MOLECULES, MEMBERS OF THE B7 FAMILY (as amended)		

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AMENDMENT AND RESPONSE

Sir: In response to the Office action mailed February 28, 2007, entry and consideration of the following remarks and amendments is requested:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.

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27. (Previously Presented) The method of claim 24, wherein the binding of the test compound to the polypeptide is detected by a method selected from the group consisting of:

- a) direct detection of test compound/polypeptide binding;
- b) a competition binding assay; and
- c) a two-hybrid assay or three-hybrid assay.

28. (Previously Presented) The method of claim 24, wherein the test compound is labeled.

29. (Previously Presented) The method of claim 28, wherein the label is selected from the group consisting of a radioisotope label and an enzymatic label.

30. (Previously Presented) The method of claim 24, wherein the polypeptide is a fusion protein further comprising heterologous sequences.

31. (Previously Presented) The method of claim 26, wherein the binding of the test compound to the polypeptide is detected by a method selected from the group consisting of:

- a) cytokine production assay; and
- b) T-cell proliferation assay.

32. (Previously Presented) The method of claim 24, wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:4.

33. (Previously Presented) The method of claim 24, wherein the polypeptide is encoded by the nucleotide sequence set forth in SEQ ID NO:3 or SEQ ID NO:21.